Project Title	Funding	Strategic Plan Objective	Institution
Modeling and pharmacologic treatment of autism spectrum disorders in Drosophila	$127,500	Q4.S.B	Albert Einstein College of Medicine of Yeshiva University
Identifying genetic modifiers of rett syndrome in the mouse	$30,000	Q4.S.B	Baylor College of Medicine
Characterization of autism susceptibility genes on chromosome 15q11-13	$47,606	Q4.S.B	Beth Israel Deaconess Medical Center
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$304,500	Q4.S.B	Beth Israel Deaconess Medical Center
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1	$0	Q4.S.B	Burnham Institute
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2	$0	Q4.S.B	Burnham Institute
Novel probiotic therapies for autism	$570,145	Q4.S.B	California Institute of Technology
Analysis of cortical circuits related to ASD gene candidates	$0	Q4.S.B	Cold Spring Harbor Laboratory
Novel models to define the genetic basis of autism	$289,633	Q4.S.B	Cold Spring Harbor Laboratory
Systematic analysis of neural circuitry in mouse models of autism	$149,973	Q4.S.B	Cold Spring Harbor Laboratory
16p11.2: defining the gene(s) responsible	$175,000	Q4.S.B	Cold Spring Harbor Laboratory
Investigating the effects of chromosome 22q11.2 deletions	$150,000	Q4.S.B	Columbia University
Genomic imbalances at the 22q11 locus and predisposition to autism	$400,000	Q4.S.B	Columbia University
Functional study of synaptic scaffold protein SHANK3 and autism mouse model	$150,000	Q4.S.B	Duke University
Neurogenetic model of social behavior heterogeneity in autism spectrum disorders	$795,188	Q4.S.B	Duke University
Role of UBE3A in neocortical plasticity and function	$490,000	Q4.S.B	Duke University
Neural mechanisms of social cognition and bonding	$0	Q4.S.B	Emory University
Genomic resources for identifying genes regulating social behavior	$60,000	Q4.S.B	Emory University
Central vasopressin receptors and affiliation	$32,896	Q4.S.B	Emory University
Central vasopressin receptors and affiliation	$364,425	Q4.S.B	Emory University
Characterization of the transcriptome in an emerging model for social behavior	$426,250	Q4.S.B	Emory University
Neural mechanisms of social cognition and bonding	$43,862	Q4.S.B	Emory University
Vasopressin receptors and social attachment	$121,500	Q4.S.B	Emory University
The role of SHANK3 in the etiology of autism spectrum disorder	$28,000	Q4.S.B	Johns Hopkins University
Dynamic regulation of Shank3 and ASD	$300,000	Q4.S.B	Johns Hopkins University
Investigation of the role of MET kinase in autism	$366,308	Q4.S.B	Johns Hopkins University School of Medicine

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Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$155,063	Q4.S.B	Massachusetts General Hospital
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Q4.S.B	Massachusetts Institute of Technology
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$210,000	Q4.S.B	Massachusetts Institute of Technology
Synaptic and circuitry mechanisms of repetitive behaviors in autism	$400,000	Q4.S.B	Massachusetts Institute of Technology
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$128,445	Q4.S.B	Massachusetts Institute of Technology
Neural and cognitive mechanisms of autism	$375,000	Q4.S.B	Massachusetts Institute of Technology
Dissecting the circuitry basis of autistic-like behaviors in mice	$175,000	Q4.S.B	Massachusetts Institute of Technology
Using Drosophila to model the synaptic function of the autism-linked NHE9	$150,000	Q4.S.B	Massachusetts Institute of Technology
Genetic models of serotonin transporter regulation linked to mental disorders	$184,375	Q4.S.B	Medical University of South Carolina
A preclinical model for determining the role of AVPR1A in autism spectrum disorders	$0	Q4.S.B	Mount Sinai School of Medicine
The role of SHANK3 in autism spectrum disorders	$360,000	Q4.S.B	Mount Sinai School of Medicine
Animal models of neuropsychiatric disorders	$1,769,941	Q4.S.B	National Institutes of Health
Regulation of gene expression in the brain	$2,086,763	Q4.S.B	National Institutes of Health
Synaptic plasticity, memory and social behavior	$52,154	Q4.S.B	New York University
Micro-RNA regulation in pluripotent stem cells	$19,189	Q4.S.B	Southwest Foundation For Biomedical Research
Optimization of methods for production of both ICSI- and SCNT derived baboon embryonic stem cells	$260,102	Q4.S.B	Southwest Foundation For Biomedical Research
Methods for production of ICSI and SCNT derived macaque stem cells	$19,188	Q4.S.B	Southwest Foundation For Biomedical Research
Role of L-type calcium channels in hippocampal neuronal network activity	$32,741	Q4.S.B	Stanford University
Using induced pluripotent stem cells to identify cellular phenotypes of autism	$800,000	Q4.S.B	Stanford University
Identification of autism genes that regulate synaptic Nrx/Nlg signaling complexes	$200,000	Q4.S.B	Stanford University
Synaptic deficits of iPS cell-derived neurons from patients with autism	$86,588	Q4.S.B	Stanford University
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	$241,503	Q4.S.B	Stanford University
Using iPS cells to study genetically defined forms with autism	$200,000	Q4.S.B	Stanford University

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Function and dysfunction of neuroligins	$374,383	Q4.S.B	Stanford University
Patient iPS cells with copy number variations to model neuropsychiatric disorders	$207,388	Q4.S.B	The Hospital for Sick Children
Serotonin, autism, and investigating cell types for CNS disorders	$90,000	Q4.S.B	The Rockefeller University
Design & synthesis of novel CNS-active oxytocin and vasopressin receptor ligands	$560,535	Q4.Other	The Scripps Research Institute
Autism iPSCs for studying function and dysfunction in human neural development	$254,152	Q4.S.B	The Scripps Research Institute
Small-molecule compounds for treating autism spectrum disorders	$175,000	Q4.S.B	The University of North Carolina at Chapel Hill
Novel, subtype selective potentiators of nicotinic acetycholine receptors	$325,757	Q4.Other	University of Alaska Fairbanks
A novel cell-based assay for autism research and drug discovery	$60,000	Q4.S.B	University of Arizona
Basal ganglia circuitry and molecules in pathogenesis of motor stereotypy	$387,767	Q4.S.B	University of California, Los Angeles
Neurogenomics in a model for procedural learning	$33,053	Q4.S.B	University of California, Los Angeles
Cntnap2 in a behavioral model of autism	$262,356	Q4.S.B	University of California, Los Angeles
High content screens of neuronal development for autism research	$210,977	Q4.S.B	University of California, San Diego
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	$295,298	Q4.S.B	University of California, San Francisco
Dissecting the neural control of social attachment	$772,500	Q4.S.B	University of California, San Francisco
Role of a novel Wnt pathway in autism spectrum disorders	$750,000	Q4.S.B	University of California, San Francisco
The genetics of restricted, repetitive behavior: An inbred mouse model	$60,000	Q4.S.B	University of Florida
The genetic control of social behavior in the mouse	$346,000	Q4.S.B	University of Hawai'i at Manoa
A mouse knock-in model for ENGRAILED 2 autism susceptibility	$227,135	Q4.S.B	University of Medicine & Dentistry of New Jersey
Serotonin, corpus callosum, and autism	$303,250	Q4.S.B	University of Mississippi Medical Center
NrCAM, a candidate susceptibility gene for visual processing deficits in autism	$0	Q4.S.B	University of North Carolina at Chapel Hill
Novel strategies to manipulate Ube3a expression for the treatment of autism and Angelman syndrome	$0	Q4.S.B	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$167,572	Q4.S.B	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$39,325	Q4.S.B	University of North Carolina at Chapel Hill

Project Title	Funding	Strategic Plan Objective	Institution
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$346,289	Q4.S.B	University of North Carolina at Chapel Hill
Characterization of a novel mouse model of restricted repetitive behaviors	$222,000	Q4.S.B	University of North Carolina at Chapel Hill
Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders	$0	Q4.S.B	University of North Carolina School of Medicine
Functional genomic dissection of language-related disorders	$235,753	Q4.S.B	University of Oxford
Neurobiology of sociability in a mouse model system relevant to autism	$354,375	Q4.S.B	University of Pennsylvania
High-resolution diffusion tensor imaging in mouse models relevant to autism	$199,724	Q4.S.B	University of Pennsylvania
Behavioral and physiological consequences of disrupted Met signaling	$800,000	Q4.S.B	University of Southern California
Animal model of speech sound processing in autism	$325,125	Q4.S.B	University of Texas at Dallas
Identifying impairments in synaptic connectivity in mouse models of ASD	$40,000	Q4.S.B	University of Texas Southwestern Medical Center
Shank3 mutant characterization in vivo	$28,000	Q4.S.B	University of Texas Southwestern Medical Center
Animal models of autism: Pathogenesis and treatment	$84,999	Q4.S.B	University of Texas Southwestern Medical Center
Neuroligin function in vivo: Implications for autism and mental retardation	$392,500	Q4.S.B	University of Texas Southwestern Medical Center
Novel genetic animal models of autism	$274,750	Q4.S.B	University of Texas Southwestern Medical Center
Deriving neuroprogenitor cells from peripheral blood of individuals with autism	$0	Q4.S.B	University of Utah
Evaluation of altered fatty acid metabolism via gas chromatography/mass spectroscopy and time-of-flight secondary ion mass spectroscopy imaging in the propionic acid rat model of autism spectrum disorders	$25,000	Q4.S.B	University of Western Ontario
Mouse genetic model of a dysregulated serotonin transporter variant associated with autism	$0	Q4.S.B	Vanderbilt University
Murine genetic models of autism	$172,389	Q4.S.B	Vanderbilt University
Transgenic mouse model to address heterogeneity in autism spectrum disorders	$468,586	Q4.S.B	Vanderbilt University
Using zebrafish and chemical screening to define function of autism genes	$399,999	Q4.S.B	Whitehead Institute for Biomedical Research
Caspr2 dysfunction in autism spectrum disorders	$0	Q4.S.B	Yale University
Cellular and genetic correlates of increased head size in autism spectrum disorder	$282,901	Q4.S.B	Yale University
Integrated approach to the neurobiology of autism spectrum disorders	$232,118	Q4.S.B	Yale University